

WHAT IS CLAIMED IS:

Sub 37 1. A method for attaching an adhesive tape comprising the steps of:

disposing the adhesive tape having an adhesive surface  
5 on a support body with said adhesive surface down;  
rolling an attaching roller having adhesive strength on  
the other not-adhesive surface of said adhesive tape so that said  
adhesive tape is transferred onto said attaching roller and is  
come into tight contact therewith; and

10 rolling said attaching roller on a surface of a member  
to be attached which is located in a predetermined position so  
that said adhesive tape adhered to said attaching roller is  
attached onto the surface of said member,

wherein respective adhesive strengths A, B and C are set  
15 to have a relation of  $A < B < C$ , where A designates adhesive strength  
between the adhesive surface of said adhesive tape and said support  
body, B designates adhesive strength between the not-adhesive  
surface of said adhesive tape and said attaching roller, and C  
designates adhesive strength between the adhesive surface of said  
20 adhesive tape and said member to be attached.

2. A method for attaching an adhesive tape according  
to claim 1, wherein said support body is constructed by a conveyor  
belt conducted with a reduction treatment reducing adhesivity  
25 between the adhesive surface of said adhesive tape and said support

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body.

3. A method for attaching an adhesive tape according to claim 2, further comprising the step of:

5 cutting a roll-like adhesive tape into adhesive tape pieces having predetermined length,

wherein said adhesive tape pieces are disposed one by one on said conveyor belt with their adhesive surfaces down, and said adhesive tape pieces are conveyed by said conveyor belt to a position where said adhesive tape pieces are transferred onto said attaching roller.

4. A device for attaching an adhesive tape comprising:

15 a tape cutting means for cutting a roll-like adhesive tape into adhesive tape pieces;

a tape feeding means including a conveyor belt for conveying said adhesive tape pieces disposed thereon with their adhesive surfaces down so as to be in contact with said conveyor belt;

20 an attaching roller having enough adhesive strength to press not-adhesive surfaces of said adhesive tape pieces arranged on said conveyor belt so that said adhesive tape pieces are transferred to come into tight contact with said attaching roller;

25 and

a robot making said attaching roller movable and rotatable.

5. A device for attaching an adhesive tape according to claim 4, wherein at least surface layer portion of said attaching roller is formed of a silicon rubber layer having a smooth surface.

6. A device for attaching an adhesive tape according to claim 4, wherein a conveyor surface of said conveyor belt is subjected to roughing, and coated with silicon.

7. A device for attaching an adhesive tape according to claim 4, wherein a conveyor surface of said conveyor belt is subjected to embossing finish, and coated with silicon.

8. A device for attaching adhesive tape according to claim 4, further comprising:

a flexible member provided in a support portion of said attaching roller, so as to reduce a pressing force of said attaching roller onto said conveyor belt and a member to be attached.

9. A device for attaching an adhesive tape according to claim 8, wherein said flexible member is constructed by a

